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7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendr 8. Examiner's Stateme 9. Other CARL N	(PTO-413), te ment/Comment ent of Reasons for Allowance thirtehead	
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Application/Control Number: 09/819,457

Art Unit: 2813

DETAILED ACTION

This is in response to applicant's amendment filed August 19, 2004.

Allowable Subject Matter

Claims 1-4, 6, 7, 9-25, and 51-62 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art does not disclose or make obvious an electronic structure including an internally circuitized substrate having dielectric layers of at least about 700,000psi including all the limitations of the independent claim. While a secondary reference teaches the conventional use of polyimides having a psi in the claimed range, it provides no motivation for which one of ordinary skill in the art would be motivated to use such a layer. Furthermore, the prior art does not disclose or make obvious forming first and second microvias over an internally circuitized substrate, wherein the first microvias passes through dielectric layers M and N and the second microvias pass only through dielectric layer 1 through M-1, wherein metal plane M-1 electrically couples the first and second microvias, including all the limitations of the independent claim.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M. Mitchell whose telephone number is (571) 272-1931. The examiner can normally be reached on M-F 8:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr. can be reached on (571) 272-1702.

Art Unit: 2813

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jmm

Nøvember 23, 200